

## AUTOMATING A SERIES "90" SYSTEM?

Convert Your Automation Signals To Operate  
**Honeywell Series 90 Mod Motors.**

### Hub Mount Model



Conveniently mounts directly on 1/2" motor knockout. Converts electronic output signals to 135 ohm (*Series 90*) so you can operate your existing **Honeywell Mod Motors**.

Don't go through the **expense and labor** of changing out your old actuators just because the signal is not compatible ...

**Pneuline** offers two models, hub mount and snap track, to convert the new signal to your existing motor.

### Features:

- Mounts **directly** to actuator
- Adapts voltage, current, pulse, or floating control signals.
- Local override for easy testing
- LED-on status indicator
- Switch selectable inputs

MMA4 Selectable Input Signals	
SIGNAL	DESCRIPTION
Pulse	0.59 to 2.93 sec.
	0.02 to 5.0 sec.
	0.10 to 25.5 sec.
Floating	55 sec
Voltage	0 to 5Vdc
	1 to 5 Vdc
	0 to 10Vdc
	2 to 10 Vdc
Current	0 to 20mA, 4-20mA

Power: 24Vac/dc; 3VA

ORDERING INFORMATION		
ORDER #	OUTPUT	DESCRIPTION
MMA4-135	0-135 ohm	1/2" Hub-mount Electronic to 135 ohm Transducer

### Snap Track Model

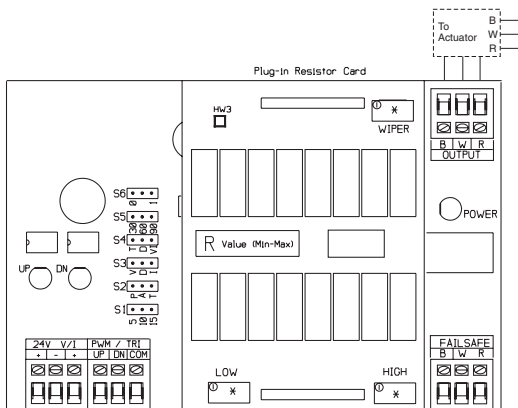
**Simply wire it in and select the signal you are using ...**

The MMA3-135 is an interface that allows microprocessor control of a variable resistance. The MMA3-135's isolated resistor network can be controlled by several different DDC signal types. It directly replaces a variable resistance controller and simulates the action of a slide wire or rotary potentiometer.

### Features:

- 12 Analog voltage/current input signal ranges
- 3 selectable Pulse Input ranges
- 3 selectable Floating Point ramp rates
- Isolated resistive output
- Power and signal status indicators
- Plug-in resistance cards (*135 ohm included*)

MMA3 Selectable Input Signals	
SIGNAL	DESCRIPTION
Pulse	0.59 to 2.93 sec.
	0.02 to 5.0 sec.
	0.10 to 25.5 sec.
Floating	5, 15 or 90 sec.
Voltage	0 to 5Vdc
	1 to 5 Vdc
	0 to 10Vdc
	2 to 10 Vdc
	0 to 15 Vdc
	3 to 15Vdc
Current	0 to 20mA, 4-20mA



3.25" Snap-Track Mount

ORDERING INFORMATION	
ORDER #	RANGES
MMA3-135	3.25" Snap-track-mount Electronic to 135 ohm Transducer

PLUG-IN RESISTANCE OUTPUT CARDS	
ORDER #	DESCRIPTION
RN-270	270 ohm card
RN-500	500 ohm card
RN-1000	1000 ohm card
RN-10K	10,000 ohm card

Pulse Width Modulation Signals	
BRAND	SIGNAL
NOVAR	0.59 to 2.93 sec.
JOHNSON	0.02 to 5.0 sec.
ANDOVER	0.1 to 25.5 sec.